COVERAGE NAME: CARBMNX

COVERAGE AREA: Statewide

COVERAGE DESCRIPTION:

The 'CARBMNX' coverage is a statewide polygon coverage which represents the Federal EPA's classification of geographic areas within California as to their status in attaining National Ambient Air Quality Standards for carbon monoxide. The coverage shows EPA-designated areas (comprised of counties, partial counties, air basins, drainage's and urbanized areas) and contains attribute information revealing the attainment designation, the severity of non-attainment and other information. The coding is based upon the Code of Federal Regulations, Title 40 part 81, entitled "Designation of Areas for Air Quality Planning Purposes" (Federal Register Volume 56, Number 215, November 6, 1991.)

   Teale Data Center's GIS Technology Center created the coverage for the California Department of Transportation, Division of Highways.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 00 00 (34.0 degrees N)
2nd Std. Parallel:	40 30 00 (40.5 degrees N)
Longitude of Origin:	-120 00 00 (120.0 degrees W)
Latitude of Origin:	00 (0.0 degrees)
False Easting (X shift):	0
False Northing (Y shift):	-4,000,000
Source:	Teale data layers (county, Public Land Survey System, airbasins,
hydro) Tahoe Regional	
	Planning Agency (BASIN_BND), Caltrans (urban/rural boundary coverage), US Code of Federal Regulations Title 40 Part 81 promulgated by the U.S. Environmental Protection Agency.
Source Media:	Digital files
Source Projection:	Teale Statewide Albers projection (see above)
Source Units:	Meters
Source Scale:	1:100,000, mostly.
Capture Method:	Component features taken from source data and assembled into coverages
Conversion Software:	ARC/INFO rev. 6.1
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	0.2 meters
Number of Features:	121
Layer Size:	6.015 MB (compressed export file)

Data Updated: August 1994; March 1995 edits and Attribute corrections; October 1998 correction of desig_area for part of Placer County; February 2000 updated designations per Federal Regulations dated July 1999.

DATA DICTIONARY:

DATAFILE NAME: CARBMNX.PAT
RECORD LENGTH: 296

(The standard ARC/INFO fields AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here)

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
25	CO	3	3	I	-
28	COUNTY_NAME	30	30	C	-
58	COUNTY_NUM	3	3	I	-
61	BASIN_NAME	40	40	C	-
101	NONATTFLAG	1	1	I	-
102	DESIG_DATE	8	8	C	-
110	DESIG_TYPE	40	40	C	-
150	DESIG_AREA	40	40	C	-
190	CLASS_DATE	8	8	C	-
198	CLASS_TYPE	20	20	C	-
218	CLASS_PPM	8	8	C	-
226	NAME	40	40	C	-
266	UAFLAG	1	1	I	-
267	URB_NAME	40	40	C	-
307	PSYMBOL	3	3	I	-

AREA: The area of the polygon in square coverage units.

PERIMETER: The length of the polygon perimeter of the polygon in coverage units.

FEDCOA#: The software-assigned unique integer identification number.

FEDCOA-ID: A user-assigned identifier number.

CO Caltrans county abbreviation

COUNTY_NAME: Name of the county in which the polygon is located.

COUNTY_NUM: Number of the county in which the polygon is located.

BASIN_NAME: Name of the air basin in which the polygon is located.

NONATTFLAG: Integer number used to differentiate polygons according to their status
                as 'Nonattainment' or 'Unclassifiable/Attainment'. Based on the
                DESIG_TYPE item. Range 0-1
                    0 = Unclassifiable/Attainment
                    1 = Nonattainment

DESIG_DATE: Effective date of 40 CFR Part 81 regulations.
                (81.305)

DESIG_TYPE: Federal area carbon monoxide attainment designation.
                ('Nonattainment', 'Unclassifiable/Attainment')

DESIG_AREA: Federal area name (various)

CLASS_DATE: Effective date of 40 CFR Part 81 regulations.

CLASS_TYPE: Federal area carbon monoxide classification descriptor.
                ('Not Classified', 'Moderate <= 12.7 ppm', 'Moderate > 12.7 ppm', 'Serious')

CLASS_PPM :   Federal area carbon monoxide concentration classification.
                descriptor. (<= 12.7, > 12.7, Unknown)

NAME: California Department of Transportation's name for the urban/urbanized area,
                if applicable.

UAFLAG: Integer number identifying the area as urban/urbanized. Range 0-1
                    0 = Not urban or urbanized
                    1 = Urban or urbanized.

URB_NAME: The name of the urban/urbanized area, if applicable.

PSYMBOL: Integer number used to shade polygons. Based on the classification type
                (CLASS_TYPE). Range 0-4

                    0 = Unclassifiable/Attainment
                    1 = Not Classified
                    2 = Moderate <= 12.7 ppm
                    3 = Moderate > 12.7 ppm
                    4 = Serious

DATA QUALITY ASSESSMENT:
The following are subjective comments regarding this data:

The layer is complete and as accurate as the layers from which the components were taken. The regulations, which define the areas and designations, were followed in every case except where they attempt to define a line in San Bernardino County and instead define a point (Federal Register, Vol. 56, No. 215, 11/6/91, pp. 56726 and 52731). With the agreement of CALTRANS lines were extended due west and due south from the defined point to enclose a southwestern portion of the county.

Where small urban or urbanized areas are used as the unit of attainment, they come from original coverages digitized by CALTRANS staff from 1:10000 source maps marked up by the individual counties. These boundaries are in lieu of the TIGER Urban/Rural and URBAREA attributes, which were not used by CALTRANS.